89 AUG 21 PH 2: 53
SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION
PART A GENERAL REPORTING INFORMATION
1.01 This Comprehensive Assessment Information Rule (CAIR) Reporting Form has been completed in response to the Federal Register Notice of [1]2 [2]2 [8]8]
[ ] a. If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal  Register, list the CAS No
<ul> <li>(i) Chemical name as listed in the rule 6000 A or 6600 Resin</li> <li>(ii) Name of mixture as listed in the rule 6000 A or 6600 Resin</li> <li>(iii) Trade name as listed in the rule</li> <li>c. If a chemical category is provided in the Federal Register, report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.</li> </ul>
Name of category as listed in the rule
1.02 Identify your reporting status under CAIR by circling the appropriate response(s).
[ ] Importer
X/P manufacturer reporting for customer who is a processor
90. 89000604  (X) this box if you attach a continuation sheet.

1.03	Does the substance you are reporting on have an "x/p" designation associated with in the above-listed Federal Register Notice?	
CBI	(Yes )	.04
[_]	No	.05
1.04	a. Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the <u>Federal Register</u> Notice Circle the appropriate response.	e?
CBI	(Yes)	. 1
	No	.(2
	b. Check the appropriate box below:	
	[ You have chosen to notify your customers of their reporting obligations	
	Provide the trade name(s) N/A	
	· ·	
	[] You have chosen to report for your customers	
	You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting.	
1.05	If you buy a trade name product and are reporting because you were notified of you reporting requirements by your trade name supplier, provide that trade name.	ır
CBI	Trade name 6000A Ashland Chemical	
[_]	Is the trade name product a mixture? Circle the appropriate response.	
	Yes	. 1
	(No )	2
1.06	Certification The person who is responsible for the completion of this form mus sign the certification statement below:	 s t
CBI	"I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate."	
	ALBERT CASTRO SIGNATURE DATE SIGNED	<del></del>
	PLANT MANAGER (818) 442- 7795	-
	TITLE TELEPHONE NO.	
	Mark (X) this box if you attach a continuation sheet.	

,

1.07 <u>CBI</u> [_]	with the required information of within the past 3 years, and the for the time period specified if are required to complete section	f you have provided EPA or another Fon a CAIR Reporting Form for the lish his information is current, accurate in the rule, then sign the certification 1 of this CAIR form and provide a y submitted. Provide a copy of any ction 1 submission.	ted substance e, and complete ction below. You any information
	information which I have not in	best of my knowledge and belief, al ncluded in this CAIR Reporting Form and is current, accurate, and compl	has been submitted
	ALBERT CASTRO NAME	Ollit Carlo	8-/8-89 DATE SIGNED
	PLANT MANAGER TITLE	( <u>818</u> ) <u>442</u> - <u>7795</u> TELEPHONE NO.	DATE OF PREVIOUS SUBMISSION
1 00	CDT C	ODT -2-1 ' Abi-	
1.08		ve asserted any CBI claims in this r tements truthfully and accurately ap hich you have asserted.	
<u>CBI</u>	•	men you have asserted.	
_		to protect the confidentiality of t	
[_]	and it will continue to take the been, reasonably ascertainable using legitimate means (other a judicial or quasi-judicial prinformation is not publicly available.	to protect the confidentiality of these measures; the information is not by other persons (other than govern than discovery based on a showing of roceeding) without my company's consailable elsewhere; and disclosure of my company's competitive position.	t, and has not ment bodies) by special need in ent; the the information
ı <u></u> ]	and it will continue to take the been, reasonably ascertainable using legitimate means (other tag judicial or quasi-judicial prinformation is not publicly avaisable to a substantial harm to	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by special need in ent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other a judicial or quasi-judicial prinformation is not publicly available.	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of	t, and has not ment bodies) by special need in ent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other tag judicial or quasi-judicial prinformation is not publicly avaisable to a substantial harm to	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by services in special need in sent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by services in special need in sent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by special need in ent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by special need in ent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by services in special need in sent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by special need in ent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by special need in ent; the the information
	and it will continue to take the been, reasonably ascertainable using legitimate means (other to a judicial or quasi-judicial prinformation is not publicly avaisable would cause substantial harm to NAME	hese measures; the information is no by other persons (other than govern than discovery based on a showing of roceeding) without my company's cons ailable elsewhere; and disclosure of o my company's competitive position.	et, and has not ment bodies) by services in section sent; the the information

PART	B CORPORATE DATA
1.09	Facility Identification
<u>CBI</u>	Name [P]A]C]-]F]A]B],]I]N]C],]=]-]-]-]-]-]-]-]-]-]-]-]-]-]-]-]-]-]-
	$[\underline{E}]\underline{I}]\underline{I}\underline{M}]\underline{O}\underline{N}\underline{I}\underline{I}\underline{E}\underline{I}\underline{I}\underline{I}\underline{I}\underline{I}\underline{I}\underline{I}\underline{I}\underline{I}I$
	$\begin{bmatrix} \boxed{C} \boxed{A} \end{bmatrix} \qquad \begin{bmatrix} \boxed{9} \boxed{1} \boxed{7} \boxed{3} \boxed{1} \boxed{-} \begin{bmatrix} \boxed{1} \end{bmatrix} \boxed{1} \end{bmatrix}$ State
	Dun & Bradstreet Number       [0]4]-[0]3]6]-[2]4]5]]         EPA ID Number       []3]5]2]7]4]4]3]2]9         Employer ID Number       []3]5]2]7]4]4]3]2]9         Primary Standard Industrial Classification (SIC) Code       []3]5]9]9]         Other SIC Code       []3]6]4]8]
1.10	Company Headquarters Identification
<u>CBI</u>	Name [P]A]C]=]F]A]B],]]]N]C].]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	State       Zip         Dun & Bradstreet Number
[_]	Mark (X) this box if you attach a continuation sheet.

1.11	Parent Company Identification
CBI	Name [E]S]S]E]F]_[C]O]R]P]O]R]A]T][]O]N]_]_]_]_]_]_]_]_]_]
[_]	Address [2]2]p] P] A] R] K] ] D] R] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ]
	[C]H]A]R]D]D]N]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_
•	$\begin{bmatrix} \boxed{0} \end{bmatrix} \boxed{H} $ $\begin{bmatrix} \boxed{4} \end{bmatrix} \boxed{4} \boxed{0} \boxed{2} \boxed{4} \boxed{-} \begin{bmatrix} \boxed{1} \end{bmatrix} \boxed{1} \boxed{1}$ State
	Dun & Bradstreet Number $[0]0]-[4]7]-[3]4]3]$
1.12	Technical Contact
CBI	Name [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
[_]	Title [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Address [_]_]_]_]_]_]_]_]]]]]]]]]]]]]]]]]]]]]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]]]][_]]]]] State
	Telephone Number
1.13	This reporting year is from $[\frac{1}{1}]0$ $[\frac{8}{7}]$ to $[0]9$ $[8]8$ Year
,	
[_]	Mark (X) this box if you attach a continuation sheet.

	NA
1.14	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller:
CBI	Name of Seller [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
[_]	Mailing Address [_]_]_]_]_]_]_]]]]]]]]]]]]]]]]]]]]]]]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_][_]_]_]_]_]]]
	Employer ID Number
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
1.15	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer:
CBI	Name of Buyer [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	(_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_]_]_][_]_]_]_]_ State
	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number

 $[\ \ ]$  Mark (X) this box if you attach a continuation sheet.

BI	Classification	Quantity (kg/yr)
]		
	Manufactured	•
	Imported	•
	Processed (include quantity repackaged)	· <u>37,650</u> 87-8
	Of that quantity manufactured or imported, report that quantity:	
	In storage at the beginning of the reporting year	•
	For on-site use or processing	•
	For direct commercial distribution (including export)	•
	In storage at the end of the reporting year	•
	Of that quantity processed, report that quantity:	
	In storage at the beginning of the reporting year	6,572
	Processed as a reactant (chemical producer)	• •
	Processed as a formulation component (mixture producer)	•
	Processed as an article component (article producer)	•
	Repackaged (including export)	•
	In storage at the end of the reporting year	. NONE

	or a component of a mixtur	substance on which you are receive, provide the following inforce composition is variable, report all formulations.)	ormation for each component
]	Component Name	Supplier Name	Average % Composition by Weight (specify precision, e.g., 45% ± 0.5%)
	6000 A or 6600	Ashland Chemical	80
	6011 G Catalyst	· II	20
			Total 100%

2.04	State the quantity of the listed substance that your facility manufactured, imported or processed during the 3 corporate fiscal years preceding the reporting year in descending order.
<u>CBI</u>	
[_]	Year ending [0]9] [8]7 Mo. Year
	Quantity manufactured k
	Quantity imported k
	Quantity processed
	Year ending
	Quantity manufactured k
	Quantity imported k
	Quantity processed
	Year ending
	Quantity manufactured k
	Quantity imported k
	Quantity processed 26,288 k
2.05 CBI	Specify the manner in which you manufactured the listed substance. Circle all appropriate process types.
[_]	Continuous process
	Semicontinuous process(
	Batch process

2.06 CBI	Specify the manner in appropriate process ty	which you processed to pes.	he listed substance.	Circle all			
[_]	Continuous process						
	Semicontinuous process				(2		
	Batch process			• • • • • • • • • • • • • • • • • • • •	3		
2.07 CBI	State your facility's substance. (If you are question.)	name-plate capacity f re a batch manufacture	or manufacturing or processor	processing the , do not answer	listed this		
[_]	Manufacturing capacity	7			kg/yr		
	-			37,650	kg/yr		
	Processing capacity	· · · · · · · · · · · · · · · · · · ·	••••••	07,000	_ kg/yr		
2.08	If you intend to incremanufactured, imported year, estimate the incomposition of the column.	d, or processed at any	time after your cur	rent corporate	fiscal tion		
CBI							
[ <u></u> ]		Manufacturing Quantity (kg)	Importing Quantity (kg)	Processi Quantity			
	Amount of increase						
	Amount of increase Amount of decrease				(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		
				Quantity	(kg)		

	substance during day each proces list those.)	g the reporting year. Also specify the average s type was operated. (If only one or two operat	number of n tions are in	volved,
<u>CBI</u>			Days/Year	Average Hours/Day
	Process Type #1	(The process type involving the largest quantity of the listed substance.)		
		Manufactured		
		Processed	250	8
	Process Type #2	(The process type involving the 2nd largest quantity of the listed substance.)		
		Manufactured		
		Processed		
	Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)		
		Manufactured		
		Processed		
2.10 <u>CBI</u> [_]	State the maxim substance that chemical.	num daily inventory and average monthly inventor was stored on-site during the reporting year in	y of the lis	sted f a bulk
	Maximum daily i	nventory	10	)5 k
	Average monthly	inventory	313	38 k

		Byproduct, Coproduct	Concentration (%) (specify ±	Source of By- products, Co- products, or
CAS No.	Chemical Name	or Impurity	% precision)	Impurities
NONE	-			
				and the second s
			**************************************	

 $<sup>[\ \ ]</sup>$  Mark (X) this box if you attach a continuation sheet.

a.	b.		c.	d.
Product Tunos 1	<pre>% of Quantity Manufactured, Imported, or Processed</pre>		% of Quantity Used Captively On-Site	Type of End-Users <sup>2</sup>
Bonded Feberglas	2000esseu	<b>-</b> 	on-site	S.
		_		
		_		
 <sup>1</sup> Use the following codes	to designate prod	 uct	types:	
<pre>A = Solvent B = Synthetic reactant C = Catalyst/Initiator/</pre>	er/Scavenger/ (Sequestrant (Degreaser modifier/Antiwear er esive and additives	M = N = O = O = O = O = O = O = O = O = O	Plasticizer Dye/Pigment/Colo Photographic/Rep and additives Electrodeposition Fuel and fuel ac Explosive chemical Fragrance/Flavor Pollution contro Functional fluid Metal alloy and Rheological modital Other (specify)	cals and additives chemicals ol chemicals di chemicals di and additives additives
<sup>2</sup> Use the following codes I = Industrial	s to designate the CS = Cons			

<u>CBI</u>	Expected Product Types Identify all import, or process using the listed structured fiscal year. For each use, import, or process for each use as a substance used during the reporting years captively on-site as a percentage types of end-users for each product types and an example.)	ubstance specify percentagear. Als e of the	at any time after the quantity you ge of the total vo so list the quanti value listed unde	your current expect to manufacture, lume of listed ty of listed substance r column b., and the
	a. b.		c.	d.
	% of Quant Manufacture Imported, Product Types Processes  Swimming Pool Fellow	ed, or	% of Quantity Used Captively On-Site	Type of End-Users <sup>2</sup>
	Surmay in Pool Feller			05
	<sup>1</sup> Use the following codes to designate	product	types:	
	<pre>A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator/     Sensitizer D = Inhibitor/Stabilizer/Scavenger/     Antioxidant E = Analytical reagent F = Chelator/Coagulant/Sequestrant G = Cleanser/Detergent/Degreaser H = Lubricant/Friction modifier/Antiagent I = Surfactant/Emulsifier</pre>	M N N N N N N N N N N N N N N N N N N N	= Plasticizer = Dye/Pigment/Colo = Photographic/Rep and additives = Electrodepositio = Fuel and fuel ad = Explosive chemic = Fragrance/Flavor = Pollution contro = Functional fluid = Metal alloy and	als and additives chemicals l chemicals s and additives additives
	<pre>J = Flame retardant K = Coating/Binder/Adhesive and addi</pre>		<pre>= Rheological modi = Other (specify)</pre>	
	<sup>2</sup> Use the following codes to designate	the type	e of end-users:	
	I = Industrial CS =	Consume	r specify)	

	a. t	) <b>.</b>	c. Average %	d.
	Product Type <sup>1</sup> Final F Physica	roduct's	Composition of Listed Substance in Final Product	Type of End-Users <sup>3</sup>
_	Swemming Pool Fille	<i>5</i> )		CS
-	<sup>1</sup> U-a the following codes to de	esignate pro	duct types:	
	**IUse the following codes to de A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accele	erator/ venger/ strant aser ier/Antiwear  and additive esignate the F2 = Cry F3 = Gra F4 = Oth G = Gel H = Oth	L = Moldable/Castabl M = Plasticizer N = Dye/Pigment/Colo O = Photographic/Rep and additives P = Electrodepositio Q = Fuel and fuel ad R = Explosive chemic S = Fragrance/Flavor T = Pollution contro U = Functional fluid V = Metal alloy and W = Rheological modi S X = Other (specify)  final product's physi stalline solid nules er solid er (specify)	rant/Ink and additional rographic chemical ditives als and additives chemicals chemicals and additives additives fier cal form:
	<sup>3</sup> Use the following codes to do I = Industrial	CS = Con		

2.15 CBI	Circl liste	le all applicable modes of transportation used to deliver bulk shipments of ed substance to off-site customers.	the						
[_]	Truck	C	1						
	Railo	car	2						
	Barge, Vessel								
	Pipe:	Pipeline4							
	Plane	e	5						
	Other	r (specify)	6						
2.16 CBI	or p	omer Use Estimate the quantity of the listed substance used by your customers during the reporting year for use under each cate, and use listed (i-iv).	omers gory						
[_]	Cate	gory of End Use							
	i.	Industrial Products	•						
		Chemical or mixture	kg/yr						
		Article	kg/yr						
	ii.	Commercial Products							
		Chemical or mixture	kg/yr						
		Article	kg/yr						
	iii.	Consumer Products							
		Chemical or mixture	kg/yr						
		Article	kg/yr						
	iv.	Other							
		Distribution (excluding export)	kg/yr						
		Export							
		Quantity of substance consumed as reactant	kg/yı						
			kg/yı						
		dikitowii customer uses vivivivivivivivivivivivivivivivivivivi							
	Mark	(X) this box if you attach a continuation sheet.							
r—1	HALK	(n) this box if you actual a continuation offer.							

PART	A GENERAL DATA									
3.01 CBI	Specify the quantity purchased and the average price paid for the listed substance for each major source of supply listed. Product trades are treated as purchases. The average price is the market value of the product that was traded for the listed substance.									
[_]		Quantity	Average Price							
	Source of Supply	(kg)	(\$/kg)							
	The listed substance was manufactured on-site.									
	The listed substance was transferred from a different company site.									
	The listed substance was purchased directly from a manufacturer or importer.	37,650								
	The listed substance was purchased from a distributor or repackager.									
	The listed substance was purchased from a mixture producer.									
3.02 CBI	Circle all applicable modes of transportation used to your facility.	o deliver the lis	ted substance to							
[_]	Truck									
	Railcar									
	Barge, Vessel									
	Pipeline									
	Plane									
	Other (specify)									

[_]	Mark	(X)	this	box	if	you	attach	а	continuation	sheet.

3.03 CBI	a.	Circle all applicable containers used to transport the listed substance to your facility.
[_]		Bags
		Boxes
		Free standing tank cylinders
		Tank rail cars
		Hopper cars
		Tank trucks
		Hopper trucks
		Drums
		Pipeline
		Other (specify)1
	b.	If the listed substance is transported in pressurized tank cylinders, tank rail cars, or tank trucks, state the pressure of the tanks.
		Tank cylinders mmH
		Tank rail cars mmH
		Tank trucks mmH

.04 BI	of the mixture, the na	me of its supplier(s) ition by weight of th	I substance in the form of a mixture, list the of its supplier(s) or manufacturer(s), an estion by weight of the listed substance in the seed during the reporting year.			
<b>—</b> '	Trade Name	Supplier or Manufacturer	Average % Composition by Weight (specify <u>+</u> % precision)	Amount Processed (kg/yr)		
	Pleaging 6600	asland Ch	near NA	37650		
				·		

CBI reporting year the percent co	ntity of the listed substance used as r in the form of a class I chemical, omposition, by weight, of the listed	listed substance used as a raw material during the of a class I chemical, class II chemical, or polymer, and weight, of the listed substance.						
[_]	Quantity Used (kg/yr)	$\%$ Composition by Weight of Listed Substance in Raw Material (specify $\pm$ $\%$ precision						
Class I chemic								
Class II chem	ical							
Polymer								
	MA	•						

[\_\_] Mark (X) this box if you attach a continuation sheet.

	SEC	TION 4 PHYSICAL/CHEM	ICAL PROPERTIES	
Gener	al Instructions:			
If you	u are reporting on a mix t are inappropriate to m	ture as defined in th ixtures by stating "N	ne glossary, reply to que NA mixture."	estions in Section
notic	uestions 4.06-4.15, if y e that addresses the inf mile in lieu of answerin	ormation requested, y	ou may submit a copy of	el, MSDS, or other reasonable
PART	A PHYSICAL/CHEMICAL DAT	'A SUMMARY	NA	
4.01 <u>CBI</u>	substance as it is manu	factured, imported, or product form for many	jor <sup>1</sup> technical grade(s) or processed. Measure thufacturing activities, as egin to process the subs	t the time you
[_]		Manufacture	<u>Import</u>	Process
	Technical grade #1	% purity	% purity	% purity
	Technical grade #2	% purity	% purity	% purity
	Technical grade #3	% purity	% purity	% purity
	<sup>1</sup> Major = Greatest quan	tity of listed substa	nce manufactured, import	ed or processed.
4.02	substance, and for ever	ry formulation contai: oped and an MSDS deve	Safety Data Sheet (MSDS) ning the listed substanc loped by a different sou S has been submitted by	e. II you possess rce, submit your
	Yes		• • • • • • • • • • • • • • • • • • • •	
	M -			

[\_] Mark (X) this box if you attach a continuation sheet.

Indicate whether the MSDS was developed by your company or by a different source.

Your company .....

Another source .....

4.03	Submit a copy or reasonable facsimile of any hazard information (other than an MSDS) that is provided to your customers/users regarding the listed substance or any formulation containing the listed substance. Indicate whether this information has been submitted by circling the appropriate response.
	Yes 1
(	No 2
4.04	For each activity that uses the listed substance, circle all the applicable number(s) corresponding to each physical state of the listed substance during the activity listed. Physical states for importing and processing activities are determined at the time you import or begin to process the listed substance. Physical states for
CBI	manufacturing, storage, disposal and transport activities are determined using the final state of the product.

		Phys	sical State		
Activity /	Solid	Slurry	Liquid	Liquified Gas	Gas
Manufacture	1	2 .	3	4	5
Import	1	2	3	4	5
Process	1	2	3	4	5
Store	1	2	3	4	5
Dispose	1	2	3	4	5
Transport	1	2	3	4	5

1

2

3

[\_] Mark (X) this box if you attach a continuation sheet.

Transport

<u>CBI</u>	importing	≥10 microns in dia and processing act bstance. Measure t disposal and transp	ivities at the he physical st	time yo ate and	ou import particle	or beginsizes f	or manufa	cturing
	Physical State		Manufacture	Import	Process	Store	Dispose	Transport
	Dust	<1 micron						
		1 to <5 microns						
		5 to <10 microns						
	Powder	<1 micron						
		1 to <5 microns						
		5 to <10 microns						
	Fiber	<1 micron						
		1 to <5 microns						
		5 to <10 microns				***		
	Aerosol	<1 micron						
		1 to <5 microns						
		5 to <10 microns						
			NA					

Mark (X) this box if you attach a continuation sheet.

ART A	R	ATE CONSTANTS AND TRANSFORMATION PRODUCTS
.01 Iı	nd	icate the rate constants for the following transformation processes.
a	•	Photolysis:
		Absorption spectrum coefficient (peak) (1/M cm) at n
		Reaction quantum yield, 6 at at n
		Direct photolysis rate constant, $k_p$ , at l/hr lati
b		0500
		For <sup>1</sup> 0 <sub>2</sub> (singlet oxygen), k <sub>ox</sub> 1
		For RO <sub>2</sub> (peroxy radical), k <sub>ox</sub> 1
c	٠.	Five-day biochemical oxygen demand, BOD <sub>5</sub> m
d		Biotransformation rate constant:
		For bacterial transformation in water, k <sub>b</sub> 1
		Specify culture
e	·	Hydrolysis rate constants:
		For base-promoted process, k <sub>B</sub> 1
		For acid-promoted process, k <sub>A</sub> 1
		For neutral process, k <sub>N</sub> 1
·	<u>.</u>	Chemical reduction rate (specify conditions)

NA

 $<sup>[\ \ ]</sup>$  Mark (X) this box if you attach a continuation sheet.

PART 1	в Р	ARTITION COEFFICIENTS								
5.02	а.	Specify the half-life of the listed substance in the following media.								
		Media NA	J	Half-life (specif	y units)					
		Groundwater								
		Atmosphere								
		Surface water								
		Soil								
	b.	Identify the listed sub life greater than 24 ho	stance's known tr urs.	ansformation products	that have a half-					
		CAS No.	Name	Half-life (specify units)	Media					
					in					
					in					
					in					
					in					
5.03	Spe	ecify the octanol-water p	artition coeffici	ent, K <sub>ow</sub>	at 25°C					
	Met	hod of calculation or de	termination							
5.04	Spe	ecify the soil-water part	ition coefficient	, K <sub>d</sub>	at 25°C					
	Soi	il type								
5.05	Spe	ecify the organic carbon-efficient, K <sub>oc</sub>	water partition		at 25°C					
5.06	Spe	ecify the Henry's Law Con	stant, H		atm-m <sup>3</sup> /mole					
[_]	Ma	rk (X) this box if you at	tach a continuati	on sheet.						

it was determined, and the type		
Bioconcentration Factor	<u>Species</u>	<u>Test<sup>1</sup></u>
		· · · · · · · · · · · · · · · · · · ·
 1		
<sup>1</sup> Use the following codes to de	signate the type of test:	
F = Flowthrough		
r = rlowthrough S = Static		

[\_] Mark (X) this box if you attach a continuation sheet.

[_]		Quantity Sold or	Total Sales						
	Market	Transferred (kg/yr)	Value (\$/yr)						
	Retail sales								
	Distribution Wholesalers								
	Distribution Retailers								
	Intra-company transfer								
	Repackagers								
	Mixture producers								
	Article producers								
	Other chemical manufacturers or processors								
	Exporters								
	Other (specify)								
6.05 <u>CBI</u>	Substitutes List all known commercially feasible substitutes that you know exist for the listed substance and state the cost of each substitute. A commercially feasible substitute is one which is economically and technologically feasible to use in your current operation, and which results in a final product with comparable performance in its end uses.								
[_]	Substitute	-	<u>Cost (\$/kg)</u>						
	·								
		1 A							

	SECTION 7 MANUFACTURING AND PROCESSING INFORMATION
Gener	al Instructions:
provi	uestions 7.04-7.06, provide a separate response for each process block flow diagram ded in questions 7.01, 7.02, and 7.03. Identify the process type from which the mation is extracted.
PART	A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION
7.01 <u>CBI</u>	In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.
[_]	Process type

NA

[_]	Mark (X)	this	box i	if you	attach	а	continuation	sheet.		

7.03	In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.
<u>CBI</u>	
[_]	Process type

NA

7.04 CBI	process block flow diagram(s). If a process block flow diagram is provided for me than one process type, photocopy this question and complete it separately for each process type.								
[_]	Process type								
	Unit Operation ID Number	Typical Equipment Type	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition				
					-				
		NA							

[\_\_] Mark (X) this box if you attach a continuation sheet.

CBI	Process type		NA	
L J	Trocess type www.			
	Process Stream ID Code	Process Stream Description	Physical State <sup>1</sup>	Stream Flow (kg/yr)
	GC = Gas (condensible GU = Gas (uncondension SO = Solide SY = Sludge or slurre AL = Aqueous liquide GL = Organic liquide	e at ambient temperatur ble at ambient temperat y	ysical state for each pre and pressure) ure and pressure)	

 <sub>1</sub>	Process type	for further explanati		VA	
_,	a.	b.	c.	d.	e.
	Process Stream ID Code	Known Compounds <sup>1</sup>	Concen- trations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentration (% or ppm)
	,				
.06	continued be				

_				
7.	06	(cont	inued)	١

<sup>1</sup>For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glossary for the definition of additive package.)

Additive Package Number		Componen Additive		_	Concentration (% or ppm)
1				_	
-					
				-	
۰				-	
2				_	
				-	
			•	-	
3				-	
				_	
4				-	
<del></del>				-	
				-	
				-	
5				<u>.</u>	
				-	
				-	
<sup>2</sup> Use the followin	g codes to	designate ho	w the cond	entration	was determined:
A = Analytical r E = Engineering	esult				
<sup>3</sup> Use the followin	g codes to	designate ho	w the cond	entration	was measured:
V = Volume W = Weight			/	VA	
					4

3.01 CBI	In accordance with the instructions, provide a residual treatment block flow diagram which describes the treatment process used for residuals identified in question 7.01.						
<u></u> 1	Process type	· NA					
_		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
			•				
			•				
		•					

8.05 CBI	Characterize each process stream identified in your residual treatment block flow diagram(s). If a residual treatment block flow diagram is provided for more than on process type, photocopy this question and complete it separately for each process type. (Refer to the instructions for further explanation and an example.)									
[_]	Process type									
	a.	b.	c.	d.	e.	f.	g.			
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual <sup>2</sup>	Known Compounds <sup>3</sup>	Concentra- tions (% or ppm) <sup>4,5,6</sup>	Other Expected Compounds	Estimated Concentrations (% or ppm)			
						<del></del>				
 8.05	continu	ed below								

## 8.05 (continued)

<sup>1</sup>Use the following codes to designate the type of hazardous waste:

I = Ignitable

C = Corrosive

R = Reactive

E = EP toxic

T = Toxic

H = Acutely hazardous

<sup>2</sup>Use the following codes to designate the physical state of the residual:

GC = Gas (condensible at ambient temperature and pressure)

GU = Gas (uncondensible at ambient temperature and pressure)

SO = Solid

SY = Sludge or slurry

AL = Aqueous liquid

OL = Organic liquid

IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene)

## 8.05 continued below

 $[\overline{\phantom{a}}]$  Mark (X) this box if you attach a continuation sheet.

8.05	(continued)		NA	
	that are present Assign an additi	in each ac ve package r to the in	introduced into a process standitive package, and the conditive package, and the conditive package for further explained definition of additive package.	centration of each component kage and list this number in anation and an example.
	Additive Package Number		Components of Additive Package	Concentrations (% or ppm)
	1			
	2			
	,	-		
	3		<u> </u>	
	4			<u>:</u>
	5			
				·
	<sup>4</sup> Use the following	codes to	designate how the concentrat	ion was determined:
	A = Analytical re E = Engineering		alculation	
8.05	continued below			· · · · · · · · · · · · · · · · · · ·

5	(continued	)	NA			
	<sup>5</sup> Use the f	ollowing codes	to designate how the	e concentration w	as measu	red:
	V = Volum W = Weigh					
	<sup>6</sup> Specify t below. A	he analytical t ssign a code to	test methods used and o each test method us	l their detection sed and list thos	limits e codes	in the tabl in column e
	Code		Method			Detection (± ug/l
	1_					
	2					
	3					
	4	<u>,, , ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,</u>				
	5					
	6					
					•	
			·			

CBI	Process type MA												
LJ	a.	b.	c.	d. Residual	e. Manag	gement	f. Costs for Off-Site	g. Changes in					
	Stream ID Code	Waste Description Code	Management Method Code <sup>2</sup>	Quantities (kg/yr)	of Resid	iual (%) Off-Site	Management (per kg)	Managemen Methods					
•													
		ne codes prov ne codes prov			designate								

<u>CBI</u>	(by capacity) your process b	Combi	ustion	Loca	tion of	Residence Time In Combustion Chamber (seconds)		
			amber ture (°C)		erature nitor			
	Incinerator	Primary	Secondary	Primary	Secondary	Primary	Secondary	
	1							
	2							
	3							
			of Solid Wast ropriate resp		s been submit	ted in lieu	of response	
	Yes	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •				1	
	No	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • •	2	
	Complete the f	te to burn	the residuals	three larges s identified	t (by capacit in your proc	y) incinera ess block o	tors that r residual	
8.23 <u>CBI</u> []	Complete the fare used on-sitreatment block	te to burn	the residuals	three larges s identified ollution l Device	t (by capacit in your proc	ess block of Type: Emission	r residual	
CBI	Incinerator  2	te to burn	the residuals	s identified	t (by capacit in your proc	ess block of Type: Emission	r residual s of ns Data	
CBI	Incinerator  1 2 Indicate by circle	te to burn ck flow diag: e if Office ling the app	Air Po Control	ollution l Device  te survey haponse.	in your proc	Type: Emission Avai	r residual s of ns Data lable of response	
CBI	Incinerator  1 2 3 Indicate by circl	te to burn ck flow diag	of Solid Was	ollution l Device  te survey haponse.	s been submit	Type: Emission Avai	of response	
CBI	Incinerator  1 2 3 Indicate by circl	e if Office ling the app	of Solid Was	te survey ha	s been submit	Type: Emission Avai	of response	
CBI	Incinerator  1 2 3 Indicate by circly Yes	e if Office ling the app	of Solid Was ropriate res	te survey haponse.	s been submit	Type: Emission Avai	of response	

Mark (X) the appropriate coluth the following data elements for element the year in which you records for that data element explanation and an example.)	or hourly : began mai:	and salaried ntaining rec	workers. Specify ords and the number	for each data r of years the
•			Trong do TTL date	Number of
<u>D</u>	ata are Ma Hourly	intained for Salaried	: Year in Which Data Collection	Years Records
Data Element	Workers	Workers	Began	Are Maintaine
ate of hire	****			
ge at hire	-			
ork history of individual before employment at your facility	-			
ex				
ace				
ob titles	4			
Start date for each job title				
End date for each job title				
Work area industrial hygiene monitoring data				
Personal employee monitoring data				
Employee medical history				
Employee smoking history				
Accident history				
Retirement date				
Termination date				
Vital status of retirees		•		
Cause of death data				
			NA	

9.02 CBI	in which you engage.	instructions, complete					
[_]	a.	b.	с.	d.	e.		
	Activity	Process Category	Yearly Quantity (kg)	Total Workers	Total Worker-Hours		
	Manufacture of the	Enclosed					
	listed substance	Controlled Release					
		0pen					
	On-site use as	Enclosed					
	reactant	Controlled Release		-			
		0pen					
	On-site use as	Enclosed					
	nonreactant	Controlled Release					
		0pen					
	On-site preparation	Enclosed	Market and September 1				
	of products	Controlled Release					
		0pen					

<sup>[</sup>\_] Mark (X) this box if you attach a continuation sheet.

listed substance.	le for each labor category at your facility that obtained to the other category at your facility that
<u>8I</u>	
<u>_</u> 1	
Labor Category	Descriptive Job Title
A	
В	
C	
D	
E	
F	
G	
н ,	
<del>,</del>	
I	
J	

ı	1	Mark	(X)	this	box	if	you	attach	а	continuation	sheet.
	J	Hark	(**)	CILLO	UUN		,	~	-	••••••	

9.04	In accordance with the instructions, prindicate associated work areas.	rovide your	process	block	flow	diagram(s) and
CBI						
[_]	Process type					

9.05 CBI	may potentially come i	work area(s) shown in question 9.04 that encompass workers who in contact with or be exposed to the listed substance. Add any shown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.
[_]	Process type	
	Work Area ID	Description of Work Areas and Worker Activities
	1	
	2	
	3	
	4	
	5	_
	6	
	7	
	,	
	8	
	9	
	10	

|--|--|

<u>31</u>	come in cont	category at your tact with or be it separately	exposed to th	e listed	substance.	Photocopy th	is question				
[_]	Process type MA										
	Work area										
	Labor Category	Number of Workers Exposed	Mode of Exposu (e.g., dir skin conta	ect	Physical State of Listed Substance	Average Length of Exposure Per Day <sup>2</sup>	Number of Days per Year Exposed				
			•								
	the point o	llowing codes to code	·		al state of		bstance a				
	tempo GU = Gas tempo incl	erature and pre- (uncondensible a erature and pre- udes fumes, vap	ssure) at ambient ssure;	OL = 0 IL = 1	Aqueous liquorganic liquorganic liquorganic liquorganic liquorganic liquorgan liquorga	iid Liquid					
	SO = Solice	a llowing codes to	a dagienata ay		·						
	A = 15 min B = Greate exceed: C = Greate	utes or less r than 15 minut ing 1 hour r than one hour ing 2 hours	es, but not	D = G1 ex E = G1	reater than kceeding 4 h	2 hours, but nours 4 hours, but nours	not				

CBI	Unighted Average ()	egory represented in question 9.06, IWA) exposure levels and the 15-minstion and complete it separately fo	inte beak exposite tevers.
[_]	Process type	• •	
	Work area		
	Labor Category	8-hour TWA Exposure Level (ppm, mg/m <sup>3</sup> , other-specify)	15-Minute Peak Exposure Leve (ppm, mg/m³, other-specify)
		-	
	·		
		NA	

[\_] Mark (X) this box if you attach a continuation sheet.

08 T	If you monitor worke	r exposur	e to the li	sted substai	nce, compl	ete the fo	llowing table
<u>_</u> ]	Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who Samples <sup>1</sup>	Analyzed In-House (Y/N)	Number of Years Record Maintained
	Personal breathing zone						
	General work area (air)						-
	Wipe samples						
	Adhesive patches						
	Blood samples						
	Urine samples						
	Respiratory samples						
	Allergy tests						
	Other (specify)						
	Other (specify)						
	Other (specify)						
	<sup>1</sup> Use the following o	codes to d	lesignate wh	o takes the	monitori	ng samples:	
	<pre>A = Plant industria B = Insurance carri C = OSHA consultant D = Other (specify)</pre>	er :	st				
		N/ /	7				

]	Sample Type		Sai	mpling and Analyt	ical Methodolo	gy
					-	
					,	
				,		
.10	If you conduct person specify the following	nal and/or g informat	ambient ion for e	air monitoring fo ach equipment typ	r the listed s e used.	ubstance,
BI 	Equipment Type <sup>1</sup>	Detectio	n Limit <sup>2</sup>	Manufacturer	Averaging Time (hr)	Model Number
—,	2442pme 17pe					
						<del></del>
		-				
	<sup>1</sup> Use the following co	odes to de	 signate p	ersonal air monit	oring equipmen	t types:
	A = Passive dosimete B = Detector tube C = Charcoal filtra	er tion tube				
	D = Other (specify) Use the following co		signate a	mbient air monito	ring equipment	types:
	E = Stationary moni	tors locat	ed within	work area		
	<pre>F = Stationary moni G = Stationary moni H = Mobile monitori I = Other (specify)</pre>	tors locat ng equipme	ed at pla	nt boundary fy)		
	<sup>2</sup> Use the following c				its:	
	A = ppm B = Fibers/cubic ce C = Micrograms/cubi	ntimeter ( c meter (µ	f/cc) /m³)	NA		

9.11	If you conduct routine medical tests for the listed substance, specify the type a	r monitoring the health effects of exposure to and frequency of the tests.
<u>CBI</u>	Test Description	Frequency (weekly, monthly, yearly, etc.)

PART	C ENGINEERING CONTROLS				
9.12 <u>CBI</u>	Describe the engineering conto the listed substance. Ple process type and work area.	ntrols that you notocopy this o	u use to reduce of question and comp	r eliminate wor lete it separat	ker exposure ely for each
[_]	Process type	•			
	Work area		• • • • • • • • • • • • • • • • • • • •	••	
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgraded
	Ventilation:				
	Local exhaust				
	General dilution				
	Other (specify)				•
	Vessel emission controls				
	Mechanical loading or packaging equipment				
	Other (specify)				

[ ] Mark (X) this box if you attach a continuation sheet.

9.13 <u>CBI</u>	Describe all equipment or process modifications you have mapping to the reporting year that have resulted in a reduction the listed substance. For each equipment or process modifithe percentage reduction in exposure that resulted. Photocomplete it separately for each process type and work area	ion of worker exposure to ication described, state copy this question and
[_]	Process type	
	Work area	
	Equipment or Process Modification	Reduction in Worker Exposure Per Year (%)

Process type  Work area	
Wear or Use	to the listed
Wear or Use	
Equipment Types  Respirators  Safety goggles/glasses  Face shields	
Equipment Types (Y/N)  Respirators  Safety goggles/glasses  Face shields	
Safety goggles/glasses  Face shields	
Face shields	
	•
Coveralls	
Bib aprons	
Chemical-resistant gloves	
Other (specify)	

[\_] Mark (X) this box if you attach a continuation sheet.

15	process type respirators tested, and	se respirators when we to the work areas when we areas when used, the average used the type and frequence separately for each processes.	re the respirat age, whether or by of the fit t	ors are us not the r	ed, the type espirators w	of ere fit
I						
_}	Process type					
	Work Area	Respirator Type	Average Usage	Fit Tested (Y/N)	Type of Fit Test <sup>2</sup>	Frequency o Fit Tests (per year)
						-
					1.00	
	<sup>2</sup> Use the following QL = Quality QT = Quanti		gnate the type	of fit tes	t:	
		, ,				
	,	NA				

9.19 CBI	Describe all of the work p eliminate worker exposure authorized workers, mark a monitoring practices, prov question and complete it s	to the listed su reas with warning ide worker train	bstance (e.g. g signs, insu ing programs,	, restrict en re worker det etc.). Phot	ection and ocopy this
[_]	Process type			NY	7
	Work area	••••••	••••••	••	
			ncereening ta	isk usea to ci	ean up routine
9.20	Indicate (X) how often you leaks or spills of the lis separately for each proces  Process type  Work area	ted substance. s type and work	Photocopy thi	s question an	nd complete it
9.20	leaks or spills of the lis separately for each proces	ted substance. s type and work	Photocopy thi	s question an	More Than 4
9.20	leaks or spills of the lis separately for each process Process type	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4
9.20	leaks or spills of the lis separately for each process Process type  Work area	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4
9.20	leaks or spills of the lis separately for each process Process type  Work area	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	nd complete it
9.20	leaks or spills of the lis separately for each process Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4
9.20	leaks or spills of the lis separately for each proces  Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4
9.20	leaks or spills of the lis separately for each proces  Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4
9.20	leaks or spills of the lis separately for each proces  Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4
9.20	leaks or spills of the lis separately for each proces  Process type  Work area  Housekeeping Tasks  Sweeping  Vacuuming  Water flushing of floors	ted substance. s type and work  Less Than	Photocopy thi area 1-2 Times	s question an	More Than 4

9.21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?				
	Routine exposure				
	Yes	1			
	No	2			
	Emergency exposure				
	Yes				
	No	2			
	If yes, where are copies of the plan maintained?				
	Routine exposure:				
	Emergency exposure:				
		_			
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.				
	Yes	1			
	No	2			
	If yes, where are copies of the plan maintained?				
	Has this plan been coordinated with state or local government response organization. Circle the appropriate response.	s?			
	Yes	1			
	No	2			
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response.				
	Plant safety specialist	1			
	Insurance carrier	2			
	OSHA consultant	3			
	Other (specify)	4			
[_]	Mark (X) this box if you attach a continuation sheet.				

## SECTION 10 ENVIRONMENTAL RELEASE

## General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RO.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

PART A	GENERAL INFORMATION	
10.01	Where is your facility located? Circle all appropriate responses.	
CBI		
[_]	Industrial area	1
	Urban area	2
	Residential area	3
	Agricultural area	4
	Rural area	5
	Adjacent to a park or a recreational area	6
	Within 1 mile of a navigable waterway	7
	Within 1 mile of a school, university, hospital, or nursing home facility	8
	Within 1 mile of a non-navigable waterway	9
	Other (specify)1	.0
[_]	Mark (X) this box if you attach a continuation sheet.	_

10.02	Specify the exact location of your is located) in terms of latitude a	r facility (from central pand longitude or Universal	oint where proc Transverse Mer	ess unit cader
	(UTM) coordinates.	<b>.</b>		•
	Latitude	·····	• ,	
	Longitude		· · · · · · · · · · · · · · · · · · ·	11
	UTM coordinates Zone	, Northing	, Easting	
10.03	If you monitor meteorological condithe following information.	ditions in the vicinity of	your facility,	provide
	Average annual precipitation		i	nches/year
	Predominant wind direction			
10.04	Indicate the depth to groundwater	below your facility.	•	
	Depth to groundwater		m	eters
10.05	For each on-site activity listed,	indicate (Y/N/NA) all rou	itine releases o	f the
CBI	Y, N, and NA.)	nt. (Refer to the instruc	ctions for a def	inition of
	Y, N, and NA.)	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	Y, N, and NA.) On-Site Activity	nt. (Refer to the instruc Environme	tions for a def	inition of
	Y, N, and NA.)  On-Site Activity  Manufacturing	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	Y, N, and NA.) On-Site Activity	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	Y, N, and NA.)  On-Site Activity  Manufacturing	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	Y, N, and NA.)  On-Site Activity  Manufacturing  Importing	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	Y, N, and NA.)  On-Site Activity  Manufacturing  Importing  Processing	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	On-Site Activity  Manufacturing  Importing  Processing  Otherwise used	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	On-Site Activity  Manufacturing  Importing  Processing  Otherwise used  Product or residual storage	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	On-Site Activity  Manufacturing  Importing  Processing  Otherwise used  Product or residual storage  Disposal	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of
	On-Site Activity  Manufacturing  Importing  Processing  Otherwise used  Product or residual storage  Disposal	nt. (Refer to the instruc Environme	ctions for a def ental Release	inition of

10.06	of precision for each	Provide the following information for the listed substance and specify the level of precision for each item. (Refer to the instructions for further explanation and in example.)					
<u>CBI</u>	an example.)						
[_]	Quantity discharged t	o the air		kg/yr ±	%		
	Quantity discharged i	n wastewaters		kg/yr ±	%		
		ther waste in on-site r disposal units		kg/yr ±	%		
		ther waste in off-site r disposal units		kg/yr <u>+</u>	%		

. 08 r	Describe the control technologies used to minimize release of the listed substance for each process stream containing the listed substance as identified in your process block or residual treatment block flow diagram(s). Photocopy this question and complete it separately for each process type.								
<u>CBI</u>	Process type	A							
	Stream ID Code	Control Technology	Percent Efficien						
	·								
	·								

10.09 <u>CBI</u> []	substance in terms residual treatment	ions Identify each emission point source containing the listed of a Stream ID Code as identified in your process block or block flow diagram(s), and provide a description of each point clude raw material and product storage vents, or fugitive emission ipment leaks). Photocopy this question and complete it separately ype.
	Process type	
	Point Source ID Code	Description of Emission Point Source
	<u> </u>	

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ID Code	Stack	INT AUTIOT	Temperature	Exit Velocity	Ruilding	Building	Vent
	Height(m)	(m)	(°C)	(m/sec)	Height(m)	Building Width(m)	Туре
·			·				
-							
							4-
						<u>·</u>	
	<del> </del>						
Height o	f attached	or adjacent	building				
Width of	attached	or adjacent [	building				
Use the	following	codes to des	ignate vent	type:			
			,				
	Width of Use the	width of attached	Width of attached or adjacent  Use the following codes to des  H = Horizontal	H = Horizontal	Width of attached or adjacent building  Use the following codes to designate vent type:  H = Horizontal	Width of attached or adjacent building  Use the following codes to designate vent type:  H = Horizontal	Width of attached or adjacent building  Use the following codes to designate vent type:  H = Horizontal

 $[\ \ ]$  Mark (X) this box if you attach a continuation sheet.

10.12 If the listed substance is emitted in particulate form, indicate the particulate distribution for each Point Source ID Code identified in question 10.09.  Photocopy this question and complete it separately for each emission point of the CBI							
[_]	Point source ID code						
	Size Range (microns)	Mass Fraction (% $\pm$ % precision)					
•	< 1						
	≥ 1 to < 10						
	≥ 10 to < 30						
	≥ 30 to < 50						
	≥ 50 to < 100						
	≥ 100 to < 500						
	≥ 500						
		Total - 100%					

PART C	: FUGITIVE EMISSIONS					$\mathcal{N}$	<u> </u>				
10.13	types listed which are expeaded the component. Do this for residual treatment block finot exposed to the listed process, give an overall perposed to the listed substitute of the listed substitute.	are in sempassing process be not types mittently cess type	rvice through lock or that are operated is								
CBI	for each process type.										
[_]	Process type										
	Percentage of time per year type						rocess %				
					Service by ce in Pro		am				
	Equipment Type	Less than 5%	5-10%	11-25%	26-75%	76-99%	Greater than 99%				
	Pump seals <sup>1</sup>										
	Packed										
	Mechanical	managa in an an Albahaman in dia minanan			<del></del>						
	Double mechanical <sup>2</sup>										
	Compressor seals <sup>1</sup>										
	Flanges			-							
	Valves		ting the second second second second								
	Gas <sup>3</sup>										
	Liquid				<del></del>						
	Pressure relief devices			<del></del>							
	(Gas or vapor only)					<del></del>					
	Sample connections										
	Gas										
	Liquid										
	Open-ended lines <sup>5</sup> (e.g., purge, vent)										
	Gas										
	Liquid										
	<sup>1</sup> List the number of pump ar compressors	nd compressor	seals,	rather th	an the nur	mber of pu	ımps or				
10.13	continued on next page										
L	Mark (X) this box if you att	acn a contin	uation Si	ieet.							

10.13	(continued)									
	<sup>2</sup> If double mechanical seals are operated with the barrier (B) fluid at a pressure greater than the pump stuffing box pressure and/or equipped with a sensor (S) that will detect failure of the seal system, the barrier fluid system, or both, indicate with a "B" and/or an "S", respectively <sup>3</sup> Conditions existing in the valve during normal operation <sup>4</sup> Report all pressure relief devices in service, including those equipped with control devices									
	<sup>5</sup> Lines closed during norma operations	l operation that wou	ld be used during	maintenance						
10.14 CBI	Pressure Relief Devices wi pressure relief devices id devices in service are con enter "None" under column	entified in 10.13 to trolled. If a press	indicate which pr	essure reller						
<u>[</u> ]	a. Number of Pressure Relief Devices	b. Percent Chemical in Vessel	c. <u>Control Device</u>	d. Estimated Control Efficiency <sup>2</sup>						
	Refer to the table in quest heading entitled "Number of Substance" (e.g., <5%, 5-1	of Components in Serv	d the percent rangice by Weight Per	ge given under the cent of Listed						
	<sup>2</sup> The EPA assigns a control with rupture discs under r efficiency of 98 percent f conditions	normal operating cond	itions. The EPA a	assigns a control						
[_]	Mark (X) this box if you at	ttach a continuation	sheet.							

Pi	ocess type	• • • • • • • • • • • • • • • • • • • •				
Ec	uipment Type	Leak Detection Concentration (ppm or mg/m³) Measured at Inches from Source	Detection Device	of Leak Detection	Repairs Initiated (days after detection)	Repairs Completed (days afted initiated
Pι	ımp seals					
	Packed					
	Mechanical					
	Double mechanical					
Co	ompressor seals					
	anges					
	ılves					
	Gas					
	Liquid					
Pı	essure relief devices (gas or vapor only)					
Sa	ample connections					
	Gas					
	Liquid					<del> </del>
0 į	en-ended lines					
	Gas					
	Liquid					
I I	Jse the following co POVA = Portable organic POM = Fixed point module of the contract of the	nic vapor analyze onitoring	r	evice:		

1	<u>I</u> .	or resi	dual trea	ment prock	flow diagram	(s).				Operat-	_				
(_			Floating Roof Seals <sup>2</sup>	Composition of Stored Materials <sup>3</sup>	Throughput (liters per year)		Vessel Filling Duration			ing Vessel Volume	Vessel Emission Controls	Design Flow Rate <sup>5</sup>		Control Efficiency (%)	Basis for Estimate
					****										
									~						
						-									
						-		***************************************					-		
					-			~ <del>~</del>							
														<u> </u>	
-		F	= Fixed r	oof	designate ve	essel typ	æ:	MS1	. = Med	hanical	codes to shoe, pri	imary	te floati	ng roof seal	s:
		NCIF	= Noncont		floating ro	of		MS2	R = Rim	ı–mounte	ed, seconda	ary			
				l floating r e vessel (in	oof dicate press	ure ratir	ıg)	LMO LM2			nted resiled shield	lient fi	.LLed seal	, primary	
		H	= Horizon = Undergr	tal	•				I = Wea		nield nted resil:	ient fil	led seal.	primary	
		U	= ormer&r	our.				VM2		n-mounte	ed secondar			p====,	
	_	<sup>3</sup> Indicate weight percent of the listed substance. Include the total volatile organic content in parenthesis								tile on	ganic conte	ent in p	parenthesi	s	
			than flo	ating roofs											
		40ther 5Gas/v	apor flow	rate the en	ission contr						flow rate	units)	,	Λ	
		<sup>4</sup> Other <sup>5</sup> Gas/v <sup>6</sup> Use t	apor flow	rate the en	ission contr designate b						flow rate	units)	N/+	4	

## PART E NON-ROUTINE RELEASES

10.23	Indicate the date and time when the release occurred and when the release cea	sed or
	was stopped. If there were more than six releases, attach a continuation she	et and
	list all releases.	

Release	Date Started	Time (am/pm)	Date Stopped	Time (am/pm)
1	<u> </u>			
2				
3				
4			<del></del>	
5				
6				

10.24 Specify the weather conditions at the time of each release.

Release	Wind Speed (km/hr)	Wind Direction	Humidity (%)	Temperature (°C)	Precipitation (Y/N)
1					
2					
3	- A.A.M.				
4		<del></del>			
5					
6					

 $[\ \ ]$  Mark (X) this box if you attach a continuation sheet.